

PA-0028 US

<110> Olga Bandman

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<130> PA-0028 US

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2014-03-03 10:00:00

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PA-0028 US
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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 999148.1

<400> 26

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PA-0028 US

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<211> 1926

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 239701.2

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PA-0028 US

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<222> 498

<223> a, t, c, g, or other

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<210> 30

<211> 1466

<212> DNA

<213> Homo sapiens

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PA-0028 US

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 <213> Homo sapiens

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 <222> 116
 <223> a, t, c, g, or other

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2017-10-05 10:00

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<212> DNA
<213> Homo sapiens

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<223> Incyte ID No: 020906.18
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PA-0028 US
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 <211> 1166
 <212> DNA
 <213> Homo sapiens

<220>
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<210> 35
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<220>
 <221> unsure
 <222> 1650, 1661
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<211> 1538

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1990126CB1

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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 198725.2

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 <211> 3053
 <212> DNA
 <213> Homo sapiens

PA-0028 US

<220>

<221> misc_feature

<223> Incyte ID No: 1359783CB1

<400> 45

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<211> 1692

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 198266.64

PA-0028 US

<220>

<221> unsure

<222> 1682

<223> a, t, c, g, or other

<400> 46

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<213> Homo sapiens

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40

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43

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PA-0028 US

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<211> 1117

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 282397.110

<400> 55

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<210> 56

<211> 1521

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1996323CB1

<400> 56

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PA-0028 US

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<210> 57

<211> 1718

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1383218.12

<220>

<221> unsure

<222> 868, 873, 881, 1207

<223> a, t, c, g, or other

<400> 57

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<210> 58

<211> 1002

<212> DNA

<213> Homo sapiens

PA-0028 US

<220>

<221> misc_feature

<223> Incyte ID No: 230345.3

<220>

<221> unsure

<222> 23, 994

<223> a, t, c, g, or other

<400> 58

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<210> 59

<211> 1620

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 019238.3

<400> 59

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PA-0028 US

<210> 60

<211> 1377

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 034470.4

<400> 60

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<210> 61

<211> 10758

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 205855.10

<220>

<221> unsure

<222> 10700

<223> a, t, c, g, or other

<400> 61

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US
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PA-0028 US

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<221> misc_feature

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<222> 3864, 3990, 4100

<223> a, t, c, g, or other

<400> 79

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PA-0028 US
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2010-2011

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<212> DNA
<213> Homo sapiens
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<213> Homo sapiens

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78

79

Introduction

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PA-0028 US

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<213> Homo sapiens

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PA-0028 US

<221> misc_feature

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PA-0028 US

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Introduction

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84

PA-0028 US

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PA-0028 US

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2010-09-01

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 249. **Charts**
 250. **Graphs**
 251.

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94

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<212> DNA

<213> Homo sapiens

<220>

PA-0028 US

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<223> Incyte ID No: 1796035CB1

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PA-0028 US

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<212> DNA

<213> Homo sapiens

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<211> 847

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 4906154CBI

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PA-0028 US

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2025 RELEASE UNDER E.O. 14176

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PA-0028 US

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<213> Homo sapiens

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aaaagtgatt ctcactctgc ttctcatctc ctacttacat gaatacttct ctcttttttc 1140
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<210> 131

<211> 1690

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 480187.59

<400> 131

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atcccatctc cttctggggg cctgggttcc taagatcata gtgaccactt cgctggcact 1200
```

PA-0028 US

```

ggagcagcat gagggagaca gaaccagggc tatcaaagga ggctgacttt gtactatctg 1260
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gcattctctc atccattttt cttcccctgt tttctttcag actgtggctt cacctccgag 1380
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<210> 132

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 480187.85

<400> 132

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agacaggaaa agataggctc aggaaagaga ggaaggggtg gccctctgtc tgtgctaagg 180
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tggtgtgcct ggccacaggc ttctaccccg accacgtgga gctgagctgg tgggtgaatg 420
ggaaggaggt gcacagtggg gtcagcacag acccgagcc cctcaaggag cagcccgcgc 480
tcaatgactc cagatactgc ctgagcagcc gcctgagggg ctcgccacc ttctggcaga 540
acccccgcaa ccacttcgcg tgtaag                                     567

```

<210> 133

<211> 499

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 994483.1

<400> 133

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tcctaacta tagctctgag ctgaatgtga acgccttgtt gctgggggac tcggccctct 180
atctctgtgc cagcagcttg tactacggt acgagcagta cttcggggcg ggcaccaggc 240
tcacggtcac agaggacctg aaaaacgtgt tcccacccga ggctcgtgtg tttgagccat 300
cagaagcaga gatctcccac acccaaaagg ccacactggg gtgcctggcc acaggctttc 360
taccocgacc acgtggagct gagctggtgg gtgaatggga aggaggtgca cagtggggtc 420
agcacggacc cgcagcccct caaggagcag cccgccctca atgactccag atactgcctg 480
agcagccgcc tgagggtct                                     499

```

<210> 134

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1326443.1

<220>

<221> unsure

<222> 292, 313, 324, 356, 379, 423, 430, 441

<223> a, t, c, g, or other

<400> 134

PA-0028 US

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gtattggtat aaacaggact ctaagaaatt tctgaagata atgttttagct acaataataa 120
ggagctcatt ataaatgaaa cagttccaaa tctgttctca cctaaatctc cagacaaagc 180
tcacttaaat cttcacatca attccctgga gcttggtgac tctgctgtgt atttctgtgc 240
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cctggtgctc gangacctga aaancgtggt cccacccgag gtcgctgtgt ttgagncatc 360
agaagcagag atctccana cccaaaaggc cacactggta tgcctggcca caggctttct 420
acnccgaccn acgtggaagc ngagctgggtg ggtgaatggg aaggaggtgc acag 474
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<210> 135

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1102234.5

<400> 135

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atgctgctgt cttcagggtc catgttgctc acagtcagag ttgagaatgt taggtttggg 180
cggctgatgg gaaacttgtc aatgacaaat ccactctcat atgtggccag agagccctga 240
tttgagtttg cgatcagtgat caggctctgt ccagggtgct gacggtagca gaacatcatg 300
gtgaacttgg ctatcgactt gacactggat cgtcagggag gttccacgtt gacagatatc 360
cctgcttggc ttttgagaga tgacagcact gaacacagag cctagtccca ggagaaggag 420
cagaagactc agcatcttca agtgatg 447
```

<210> 136

<211> 806

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1384259.1

<400> 136

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gtaggaagct gtgtatcaca ttgcaacaag gaatgacccc ggccctggta aagtcaacag 180
caacagtcgt cacctttcat tcacagcagt aacactgttc tctttaaactc tgactccaaa 240
tttgtcttct ttctctacag gtcattgggga tgccatggtc atccagaacc caagatacca 300
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catgtactgg taccagcaga agtcaagtca ggccccaaag ctgctgttcc actactatga 420
caaagatattt aacaatgaag cagacacccc tgataacttc caatccagga ggccgaacac 480
ttctttctgc tttcttgaca tccgctcacc aggcctgggg gacgcagcca tgtacctgtg 540
tgccaccage cttctaccgg tcggggagca gttcttcggg ccaggacacg gctcaccgtg 600
ctagaggacc tgaaaaacgt gttcccaccc gaggtcgtg tgtttgagcc atcagaagca 660
gagatctccc acacccaaaa ggccacactg gtatgcctgg ccacaggctt ctaccaccga 720
ccacgtggag ctgagctggt ggggtgaatgg gaaggaggtg cacagtggag tcagcacaag 780
acccgcagcc ctcaagagca gaccgc 806
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<210> 137

<211> 1426

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2678968CB1

<400> 137

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ttctgggggc aggctccggg cttggtgctg tctctctca acatccgagc aggggttatct 120
ttaagagtgg aacctctgtg aagatcgagt gccgttcct ggactttcag gccacaacta 180
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Abstract

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<210> 138
<211> 868
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 480187.82
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<220>
<221> unsure
<222> 835, 854
<223> a, t, c, g, or other
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<210> 139
<211> 1244
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1451415CB1
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115

POLYMER LETTERS

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ctagggacag	atcacacagc	tgtctggagt	tccaggtccc	ctaggtacaa	agtcggcaag	180	
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aatacttctc	ttttttttct	gtttccctga	agattgagct	ccaacccn	aagtacgaaa	1200	
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<213> Homo sapiens

<223> Incyte ID No: 480187.114

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<213> Homo sapiens

PA-0028 US

<220>

<221> misc_feature

<223> Incyte ID No: 480187.125

<400> 141

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<210> 142

<211> 1241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 480187.131

<400> 142

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<210> 143

PA-0028 US

<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 994560.1

<220>

<221> unsure

<222> 54

<223> a, t, c, g, or other

<400> 143

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PA-0028 US

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 <222> 1131, 1929
 <223> a, t, c, g, or other

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<211> 2077

<212> DNA

<213> Homo sapiens

<220>

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<221> unsure

<222> 340, 414

<223> a, t, c, g, or other

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<210> 154

<211> 1672

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 1659219CB1

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<211> 2225

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 039857CB1

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<210> 156

<211> 1633

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<213> Homo sapiens

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<223> Incyte ID No: 1265962CB1

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<210> 157

<211> 1453

PA-0028 US

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 1555032CB1

<400> 157

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<210> 158

<211> 1818

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2784232CB1

<400> 158

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PA-0028 US

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<211> 2963

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3029920CB1

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PA-0028 US

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<211> 2481

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 627722CB1

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PA-0028 US

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<211> 1578

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 3109992CB1

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<223> a, t, c, g, or other

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<213> Homo sapiens

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<223> a, t, c, g, or other

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<213> Homo sapiens

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<210> 171

<211> 1370

<212> DNA

<213> Homo sapiens

<220>

PA-0028 US

<221> misc_feature

<223> Incyte ID No: 383884.11

<400> 171

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<211> 780

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 023266.2

<220>

<221> unsure

<222> 739, 750, 755

<223> a, t, c, g, or other

<400> 172

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<210> 173

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 138709.3

PA-0028 US

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<210> 174
<211> 1672
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1073951.3

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<211> 2078
<212> DNA
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<223> Incyte ID No: 482336.31

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<221> unsure
<222> 2074
<223> a, t, c, g, or other

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 <211> 472
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 482336.36

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<210> 177
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<210> 178

<211> 4446

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 001322.4

<400> 178

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PA-0028 US

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PA-0028 US

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PA-0028 US

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<211> 1284

<212> DNA

<213> Homo sapiens

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PA-0028 US

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PA-0028 US

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PA-0028 US

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<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 023147.1

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PA-0028 US

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<213> Homo sapiens

<220>

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PA-0028 US

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<212> DNA

<213> Homo sapiens

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<220>

<221> unsure

<222> 1260

<223> a, t, c, g, or other

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aaaaaaaaaa	gcaagtcctt	gaaacttgga	gctaattgact	gtattagaca	agggataaga	1320
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<210> 196

<211> 865

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 063539.1

<220>

<221> unsure

<222> 720, 795, 807, 816, 833, 838, 844, 858

<223> a, t, c, g, or other

<400> 196

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gatgctatct	aatagtgcct	ttaggagaga	aatattttgt	ctgttgaata	ctttcaaaat	240

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atcattacaa	tgtacatgct	gtgctatacc	atatagatac	attggagcca	gtgtctcgc	300
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<210> 197

<211> 2216

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 083032.1

<400> 197

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gttttctctag	ctgctatgga	aaggtttggt	cacttatgag	attaggactt	ttcttaaat	240
cctcattaaa	tatgaacct	aggcataccc	atcattttacc	ttgattccca	tataatttgt	300
gtaagtcata	tataagttcca	ttgacaaaaa	aaaaaaaataa	ataattggat	tccttgtatc	360
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<210> 198

<211> 741

<212> DNA

<213> Homo sapiens

<220>

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<210> 201
<211> 815
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 463861.1

<220>
<221> unsure
<222> 779
<223> a, t, c, g, or other

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agctgtggcc gaggggcaga gtgtcagagg gcctcctggg gaatgctgtc tctggcagag 180
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gagagaagtc cttgccccag gggacagggg tgggtggtttt ctgagctaaa caagatgagg 300
cctgggacta ttcaggctcc tggcagtggg ggctgagcct aaagcagagg gcactctaag 360
gccagggaga aagtggcagc tgctccaggc aggcacaggt ctggaaccag agcatccctg 420
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<210> 202
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 474976.9

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acagcacagt tcctgggaag gtggagccac cagcctctcc ttgaataact gggagatgaa 180
acaggaagct ctatgacaca cttgatcgaa tatgacagac accgaaaatc acgactcagc 240
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cctggggcct ggttccaacc gccactgtg gactctgagg cctctgcatt tgtgggtggg 360
ctgcctgtga tattttgggt atgggctggg ctgggtcggg tcccatttgt ctggccagtc 420
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<210> 203
<211> 793
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 898688.1

<220>
<221> unsure
<222> 590, 592, 724
<223> a, t, c, g, or other

<400> 203
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atcaaagctt tcagtgggtt cctgttgtct ataaacataa tagaaaaata tttagtttgc 120

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attcagtcctt	acaaagtgtg	acttcaagtt	actttctttt	ccactcttat	tttccatctt	180
gttggtgttt	actgtgtcta	aaatatgtgc	tatatatgaa	ttataaaatt	atgtagacaa	240
tatagataac	cttgatcatc	gatctaattt	ttaaaaagtg	aatttgaata	ctgccaaact	300
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aaatatatag	tgatattctc	tcacatttta	cagagaaaag	cgtagtatac	atactttgtt	720
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<210> 204
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 898688.2

<220>
 <221> unsure
 <222> 27
 <223> a, t, c, g, or other

<400> 204						
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gacctggggc	atgggtggat	tcgggtgggg	gggcgggggg	ctgtgtcagg	atgctaacc	180
caggtgttcc	tgatttttaa	taagctgcta	tccttctctg	tatattcata	ctgcatgtta	240
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<210> 205
 <211> 1200
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 984111.1

<220>
 <221> unsure
 <222> 61, 1173
 <223> a, t, c, g, or other

<400> 205						
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aagaaatttg	caaaggtctc	agacagggga	agaatagaaa	agaaaaagaa	tagcagtatt	1140
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<210> 206

<211> 1907

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1416548CB1

<220>

<221> unsure

<222> 2, 44-46, 50-52, 1885

<223> a, t, c, g, or other

<400> 206

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<210> 207

<211> 4282

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1385527.4

<400> 207

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gagtgggcct	cgattctaca	ggttattatg	accaggaaat	ttatggtgga	agtgacagca	180

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PA-0028 US

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<223> Incyte ID No: 148793.3

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PA-0028 US

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PA-0028 US

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PA-0028 US

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<223> Incyte ID No: 286187.3

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<211> 1960

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<213> Homo sapiens

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<223> Incyte ID No: 995526.5

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PA-0028 US

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<223> Incyte ID No: 411831CB1

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<223> Incyte ID No: 1075696.8

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 <222> 545
 <223> a, t, c, g, or other

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<211> 2386

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<213> Homo sapiens

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<221> unsure

<222> 1907, 2297

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<210> 261

<211> 763

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 243902.21

<400> 261

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<210> 262

<211> 575

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1327111.3

<400> 262

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<211> 1721
<212> DNA
<213> Homo sapiens
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<212> DNA
<213> Homo sapiens
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<210> 265
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<213> Homo sapiens

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<221> unsure
<222> 9523, 9542
<223> a, t, c, g, or other

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206

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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<211> 2470

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<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 954999.6

<220>

<221> unsure

<222> 890

<223> a, t, c, g, or other

<400> 271

PA-0028 US

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<220>

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PA-0028 US

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<223> Incyte ID No: 242242.23

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PA-0028 US

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<211> 1241

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 629372CB1

<220>

<221> unsure

<222> 1097, 1222, 1224

<223> a, t, c, g, or other

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<210> 275

<211> 1940

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 995070.11

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<210> 276

<211> 1211

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 087458CB1

<400> 276

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<211> 2667

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 973308.1

<400> 277

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<211> 1427

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2445066CB1

<400> 278

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<210> 279

<211> 1598

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 238449.10

<220>

<221> unsure

<222> 18

<223> a, t, c, g, or other

<400> 279

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<210> 280

<211> 2458

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1078604.9

<400> 280

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<210> 281

<211> 2633

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1078604.7

<400> 281

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2025-01-01

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PA-0028 US

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PA-0028 US

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<213> Homo sapiens

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229

PA-0028 US

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231

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Figure 1

PA-0028 US

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<213> Homo sapiens

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PA-0028 US
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 <222> 2584, 2613, 2617
 <223> a, t, c, g, or other

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PA-0028 US

<220>

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<223> Incyte ID No: 001252CB1

<400> 320

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<211> 210

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 033177.1

<400> 321

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<210> 322

<211> 1389

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1356660CB1

<400> 322

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PA-0028 US

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<210> 323

<211> 2912

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 3146342CB1

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PA-0028 US

<210> 324

<211> 1510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 040573CB1

<400> 324

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<211> 10400

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1383326.3

<220>

<221> unsure

<222> 6575, 6584, 6592, 6595, 9945

<223> a, t, c, g, or other

<400> 325

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2014-01-01

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PA-0028 US

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<210> 338

<211> 1847

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 344297.3

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<213> Homo sapiens

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<400> 339

PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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<213> Homo sapiens

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 <213> Homo sapiens

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<223> Incyte ID No: 1655123CB1

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<223> Incyte ID No: 1095158.17

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<211> 366

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<213> Homo sapiens

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<223> Incyte ID No: 070790.23

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<211> 3053

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<213> Homo sapiens

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<223> Incyte ID No: 234671.68

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<211> 2070

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 233496.3

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<221> unsure

<222> 2038

<223> a, t, c, g, or other

<400> 377

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<211> 3827

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 391185.17

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<221> unsure

<222> 1002, 3206

<223> a, t, c, g, or other

<400> 378

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PA-0028 US

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PA-0028 US

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 <223> Incyte ID No: 203728.1

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PA-0028 US

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1098806.40

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<211> 289

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<213> Homo sapiens

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<223> Incyte ID No: 478961.1

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<210> 387

<211> 703

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 205723.6

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PA-0028 US

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<211> 1418

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 979241.2

<400> 388

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<210> 389

<211> 1991

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 200119.1

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<221> unsure

<222> 1988

<223> a, t, c, g, or other

<400> 389

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PA-0028 US

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<211> 2389

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1270681.1

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<222> 1021

<223> a, t, c, g, or other

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PA-0028 US

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2018-2019

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<400> 393

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<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 201572.10

<400> 394

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<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 232355.18

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<210> 396

<211> 1973

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 244230.4

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PA-0028 US

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<210> 397

<211> 2599

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2720354CB1

<400> 397

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PA-0028 US

<211> 1526

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<223> Incyte ID No: 197037.2

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<211> 833

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 988704.22

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PA-0028 US
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PA-0028 US
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PA-0028 US

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<213> Homo sapiens

PA-0028 US

<220>

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cttaaggtag ccatctggat cataagaagg tcctgcagtt gagacaaaat gacccaagtg 1800
tattttccac aagttttgat cctgtgtaat atttcttttt ctttccctag tgtatgtaga 1860
tacaaggcat ggaatgcagt tccactttct cccagagtt gatctttttg tgattgcttt 1920
cccgtctcta gtagtattct gttgtgtcta gagaactgat ttttccctac atacgcaaat 1980
tgtacatttg taagtgaaaa tgtcaatata ttaaagcatt aaccttaaaa aaaaaaaaaa 2040
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<210> 405

<211> 173

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 474606.1

<400> 405

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gctagaacta aaatgtttat gttggtacaa agttatattg atggattcat gttaaaaagt 60
ttaaatgcat gtgtgatata attccctgta acaatacccc agcacagaat aatctgtgaa 120
aggcactatt ctaagcactt ttaacatata ttatttcatt tcaaattcac aaa 173
```

<210> 406

<211> 627

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 034306.1

<400> 406

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aaactttctc atatcatttc cctcttttca attatcactg cctacactta ttaactgagt 60
aatcatagca atttcctaatt tggctcttct gtctatgttc tgaagcatca atctttctaa 120
```

[illegible]

```
<210> 407
<211> 383
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> unsure  
<222> 267, 322  
<223> a, t, c, g, or other
```

```
<210> 408
<211> 551
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> unsure  
<222> 29, 46, 132  
<223> a, t, c, g, or other
```

```
<210> 409
<211> 300
<212> DNA
<213> Homo sapiens
```

330

PA-0028 US

<223> Incyte ID No: 983416.2

<400> 409

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atttctcaag aacataattht acaaagtctg ctaacaaaac ctatattgac aattaaactt 60
tgcctctctc ctcttcaact ttccaagcaa ttgtctacgt agtttacatt ctttttctct 120
ctgtaccacc tttagtggct attccacttt agacaaattc tgccaggtag ggttggtggc 180
aggggtgcct gatccctctg aagttgaaag cagatcagca gcagcctggc tattggtgga 240
gctgccagtg aaaagcacc agacgaccta cctgatggac ccatcatcag gctcaaacag 300
```

<210> 410

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 399998.1

<220>

<221> unsure

<222> 104, 114, 133

<223> a, t, c, g, or other

<400> 410

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gttttgaaac tgaaagtatt ccttctttcc cttttttcct gtgggtgtac ccttattttg 60
aggagtatga acatagaatt catccattca ttgacaaat attnattgag tacntccttt 120
gtactagact ttntttaagg ctctggagat acagcggtag ctaaaacaga taaggccctt 180
gtctgaagga gctcatattht gttctaaaat ggcaactcct aaagtggcag gtccctgaaa 240
aaaagaaaaa taaccaaatht gaagggccaa ctaggacagt tgttatcagg acagat 296
```

<210> 411

<211> 695

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 984000.1

<400> 411

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aaaagatgtht taaatcaact aggaaattht tcattaggaa aagctgttga acattgctgt 60
gtgattaata tgcaagaaag cagagaggcc tcagtaacac tgcattgtga tcaaggatgc 120
tgttaccag aaatcagagc ccctggatct ccagaaggat aattatctta aaagcaagac 180
aagctcaaac tataccagct gtcagattht ttttacaatg agtgtatgta tatttaaatc 240
gtagctattht attgcaggat ttgtgatccc aaatcagaag gacagcatga acagagccca 300
aaccaagtaa caacaaatgg aatggaaaat gacaggcatt ttcataagctc catagtccag 360
tggtctgata acatagattht tctgaaatgc aaagagtagg tcagcagaga acttttcaaa 420
cttgccacaa acatthtact tccaaccacc acgaggctaa gcaaaaatct cccatgcaaa 480
ctccaacatg cagtcagcca tgctthtga aatcccctag gcagccattg gactgcactg 540
tgaaaaatgt gccaggaagc gcacaaacag ccgcaggacg ttagtcacat ggcattgctg 600
agattcaagg ggatactgat atttccctta caggthaatc ttcatggaa ttatgagtag 660
ggaaagaaaa tccatcattc tattaatht ctctt 695
```

<210> 412

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 984000.2

<400> 412

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atatccaggc ccagtcagtg cctgacctag gtacaatcct caatttgcca catcctatat 60
atthtthtcta gattcccaa ccagaaaaag ctgagattta aattctatag gttatggaga 120
actaagtgtg acccaaatga gaaaagaaag ctggctaaac aaaacacaat tatgcgcata 180
```

PA-0028 US

aaatgtctcc aattttccta ttcagcaaaa gtcttgtaaa gtaaaatggc atattacaac 240
aatattagct cttggatgta aggagcagaa tgcacttttag catgggaaag ataagagtct 300

<210> 413
<211> 1189
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 403464.1

<400> 413
accacatata ggttctcgtg cactgtgctt tacacgatta cccagtccag aggatccctg 60
agatgcagac ctatttcacg agcctatccg agcgctcgaa ttaagagggtg tcagccacca 120
cacctggggc tacagcagat ttatttcagt agctgaaata gttaaaacat aatgattccc 180
aaaaggctga gaagcatgca gaaaaaattg aatctttatt gctgatggga atataaaact 240
gtataccaca ttggaaaata atttggaat ttctttttaa gctaaacaca cacatacagt 300
tagttagggtg ttaggcaatt gctgtcatgg ccttatttca taggaaatga aaatttatgt 360
gtaggaccca aacctggcac ttgactgttc acagaaatta tttgtaatag tcagaacctg 420
gaaacaactc acatgttatt caccaggtaa acagttaaata aagtctgtta tttccgtatt 480
gtgtaataca actcaaaaat taaaagggaat aaactactac tatacaaata agccttagat 540
gattctcaat tctgaaggaa aaacccattt caagttgtta cataatgctt atttttatgt 600
atcttaattg gatgaagtta aatagtattt aagactagtg gagaacattg ttcgtattca tctgttaggg 660
atggtagaag ttagggttgt atgtgattat aagactagtg gaagggatac gtttttaagt 720
atggatgagt tctgcattct gattcatgca gtgggttaca aaatgtatac atgtgataaa 780
atgtcatgta aatgtgcaca ttccaccaat gacaatgtgc tgggttgtgat attgtacaat 840
gttaatggaa aatatcacca ctggggaaaa ttgagtggta tgtgtaaagc gtactatatt 900
tgcagcattt tgtgagtctt tattttaaca taatatgtaa atatgtaaag caactagaag 960
aatggtttta ataacaggag agtaacagct tataagcaag agaaagaaaa atgataaata 1020
atgtgaacac ttaccaaagg aaggggtgaa cagagaaata aaggacaggg aaaattatct 1080
gtatagctcc atccaaatat tgtaatttag gaatcatccc agataattcc taaattccaa 1140
tatttgatg gaactatata gaattttaat atatctggaa aataaactg 1189

<210> 414
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 981730.1

<400> 414
gttgccctgcc accacgcccga gccttattct ctttttctaa tagttgcact ttatcatatt 60
ttacaaatgt gtgagtctgc tatggattag aaattaataa gagattttgc cacagatagt 120
ttgagaagcc cagcactgcc actcaacaaa tgctggtgca ttcagatggg gaaatattct 180
gcagctatta aaggagttaa aactgcctcc acttacctgg aggccatct gtgacacctt 240
tttaggttaa aaggaaaaga aaaacttgct taggactgaa tatgagcggg tgcaatttgt 300
aacaatgatg tatatatata tatacatttt catgtatttg tatgaacata aaagtattga 360
aggatattca tcaaactgct aaaagggttg cttcagagta acggactcgg agaaggcaga 420
ttaattttct cttaattgaa ctctgtattg tatcacttgt aaaaataagc atgtgttatc 480
tttatgataa aaaagtaaaa acctaaaaaa 510

<210> 415
<211> 657
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 981730.2

<400> 415
catccctcca tctgctcaac aaacgttaga gaatcaatcc ttgtgtcaga tactggggct 60
gccctcaagg agcttttata gagttcaggg tacagccagg tgggggagac agatcactat 120

PA-0028 US

aaaaacctac	cactataatc	caaaggacaa	gagcaaaaaat	agtaaagagg	agagaagacc	180
caaatttgcc	tgggtgggtca	gagaggggctt	tctagaagag	gtaaaaaatc	ttcgggggcta	240
tcacttcacc	ttgcctgggtg	gataaaagggg	ggacttttcca	gatacagtgg	acagaatgtg	300
cagaggcagg	agccatgagt	ggcagaggga	ggggaggggac	tgcagagaca	ggttgggagcc	360
aaagcacgtg	gcactgggagc	catagccaaa	ggaacaaact	gtgagacctg	ggacttgaat	420
ttggagggtg	tgaaaagtga	caaggtcttc	acagaagagt	gattttttca	acttagggaa	480
ggctgacccc	agaccaatgc	tgccaaaagt	tggtctgtgg	gctgttagca	gttcgtgacg	540
atgtaagtac	aggaattgag	attaagcatt	tagaacacct	acagcacttt	gatagtcatt	600
ttacttttta	aattttgagc	tggcatttta	tatgcctgtt	tttttttggg	tttggtt	657

<210> 416

<211> 2329

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2398075CB1

<400> 416

cggaaataac	tgttcatttt	tcactttctc	ctcctaggtc	acacttttca	gaaaaagaat	60
ctgcatcctg	gaaaccagaa	gaaaaatatg	agacggggaa	tcatcgtgtg	atgtgtgtgc	120
tgcctttggc	tgagtgtgtg	gagtcctgct	caggtgttag	gtacagtgtg	tttgatcgtg	180
gtggcttgag	gggaaccg	tggttcagagc	tgtgactg	gctgcactca	gagaagctgc	240
ccttggtg	tcgtagcgcc	gggecttctc	tcctcgatc	catccagagc	agccagtgtc	300
cgggaggcag	aagatgcccc	actccagcct	gcacccatcc	atcccgtgtc	ccaggggtca	360
cggggcccag	aaggcagcct	tggttctgct	gagtgccctg	ctggtgaccc	tttgggggct	420
aggagagcca	ccagagcaca	ctctccggta	cctggctcct	cacctagcct	ccctgcagct	480
gggactgctg	ttaaaccggg	tctgcagcct	ggctgaggag	ctgcgccaca	tccactccag	540
gtgactcact	gcagtaccca	gggacggggg	atccaacgtg	tgtcactccc	ttgatgccta	600
gccctgcccc	tccttgaacc	tctctggctg	agctgggctg	ggggctgggg	tctggggctc	660
ggctgtcact	cacaggtacc	ggggcagcta	ctggaggact	gtgcgggcct	gcctgggctg	720
ccccctccgc	cgtggggccc	tggttctgct	gtccatctat	ttctactact	ccctcccaa	780
tgcggtcggc	ccgcccctca	cttgatgct	tgccctcctg	ggcctctcgc	aggcactgaa	840
cactctcctg	ggcctcaagg	gcctggcccc	agctgagatc	tctgcagtgt	gtgaaaaagg	900
gaatttcaac	gtggcccatt	ggctggcatt	gtcatattac	atcgatatac	tgcggtgtat	960
cctgccagag	ctccaggccc	ggattcgaac	ttacaatcag	cattacaaca	acctgctacg	1020
gggtgcagtg	agccagcgcc	tgtatattct	cctcccattg	gactgtgggg	tgcttgataa	1080
cctgagtatg	gctgacccca	acattcgctt	cctggataaa	ctgccccagc	agaccggtga	1140
ccgtgctggc	atcaaggatc	gggtttacag	caacagcatc	tatgagcttc	tggagaacgg	1200
gcagcggggc	ggcacctgtg	tcctggagta	cgccaccccc	ttgcagactt	tggttgccat	1260
gtcacataac	agtcaagctg	gctttagcgg	ggagatagag	cttgagcagg	ccaaactctt	1320
ctgccggaca	cttgaggaga	tcctggcaga	tgccctgag	tctcagaaca	actgccgcct	1380
cattgcctac	caggaacctg	cagatgacag	cagcttctcg	ctgtcccagg	aggttctccg	1440
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gccagctacc	tccacgatgt	cccaagagcc	tgagctcctc	atcagtggaa	tggaaaagcc	1560
cctccctctc	cgcacggatt	tctcttgaga	cccagggtca	ccaggccaga	gcctccagtg	1620
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ttcataaact	ttggatgcta	gtgtacttag	gggggtgtgc	aggtgtcttt	catggggcct	1920
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tggtatcaac	aggtccttct	gcccctctgg	tcctggatc	gttcattat	tggggagccc	2040
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accctgcagc	atcaaggttg	ctatggactc	tcctgcccgg	caactcttgc	gtaatcatga	2160
ctatctctag	gattctggca	ccacttcctt	ccctggcccc	ttaagcctag	ctgtgtatcg	2220
gcacccccac	cccactagag	tactccctct	cacttgccgg	ttccttatac	tccaccctt	2280
tctcaacggt	ccttttttaa	agcacatctc	agattaaaaa	aaaaaaaaa		2329

<210> 417

<211> 109

<212> DNA

<213> Homo sapiens

<220>

PA-0028 US

<221> misc_feature

<223> Incyte ID No: 031914.1

<400> 417

gaactggatc catgaggatg ggtgagacag ggctgtgaaa ttagggaaag cttccggggc 60
aggtggaaca gcatgaggct tccaacctgc atcagtagaa aatgacact 109

<210> 418

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 009859.1

<400> 418

ccgggacgct agagcaggcg gttcctgggc tgctccggta ggtttggcgt gcgcggggtt 60
ctgcagatct agggcgagct tgcacgttac atcaccgatg catctcttct tgcttgctta 120
atttgccacc acttaggcct ttcttgacaga attcgccata tactccttaa gggccgcgga 180
atcgagcgca ccttggtgac tggcaaacctc tcggcagatg tgcgtgcact ggtttgatgc 240
agacgtggtt gtaggcgatt taatttttcc cagctttgca gcgactgttg gcttcccaga 300
acggatctcc ccagcctcga ctggaagctg agggacaaaa attcataaaa gcaattactc 360
tttcccggcg aggccttctag aagagcaaga agagcgatat gattacacct gcagccctat 420
aaagattgat ctgtccgtct tccccttaca gtcgtggcct gttaaactgt cctgtgttgt 480
tcagtgccag aatgagtgac cgctatt 507

<210> 419

<211> 664

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 228505.1

<400> 419

cttgacacat gtatacactg tgaaaccatc atcacatca acagtgaaga tgttcctccc 60
gtctctctgt aaccctttcc tctctccctc cttccctcct cccctccca cccatctgct 120
ttttgtcact atagtttgaa tttcctggag tttttaaata tctttttata cagagtgaaga 180
ctgtctcaaa aaagctttat atatatattt atatatatga gtattttata tatacactat 240
attacatata tttatgtata aagctatgta tatttgcata tatatagctg atttatacat 300
ataaatagct ttttagtggt cacttgagat tataacatgc gttcttgact tatcaatgtc 360
taatgtaaat tagtattttt tctctttccc agacaatgct aaaacagttt attggatatt 420
ttagttattt ctgtatttaa aacttcacaa gacacagtac tgttgatggt cattttgatg 480
gccacatat atgccactat cattgtgttt tacccttctg tgactttcta gggtcatttc 540
cctccacct gaagtacccc tactattatt tcttttagag gaggtctgct gatcatctca 600
gttggtgttg tctgaaaata tttgtattta atttttattc ttaaaaaata ttttttctga 660
gtat 664

<210> 420

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 982055.1

<400> 420

aatatatatta aagctagaag gccagttact tgcatttttag ggtagtaaag aaattgacca 60
agtttatcaa aacaccattg gctatccatc ttgaaaacac aaagagtatt acaaaagtgc 120
ataaaactga caaagagccc aaggcggatc aatactttta gaaaatggag aattatgctt 180
tagaaaccac agacctgaag ttttgctact cttctttcaa aaactgtttt ccagaaatca 240
gtcttaaaac actaagaaca aaatgaaatc aagcaaggca gaaccagccc caattaaaaa 300
tttgactttc agaagagtaa aaattttgtt tcacctaact ttattttttt gaaacggag 359

PA-0028 US

<210> 421
<211> 150
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 982055.2

<220>
<221> unsure
<222> 8, 15, 32, 57, 97-98, 100, 103, 133-134
<223> a, t, c, g, or other

<400> 421
tattttgncct gaacnagact ttttgaagcc cnttctgtgc aaaatattaa ttaaaantgg 60
aacagtatgt tctccatccc tgtttttcaa actgttnntn gcngcgtgat tagggagtca 120
tatacagact ttnttggaatt tcatgttaaa 150

<210> 422
<211> 509
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 238434.7

<400> 422
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ttttgagaat ctgaatgttt tctcattcac aaaagtatcc cttctacccc tatctggcgc 120
agggtgaaa tgtcatcatt agagggttctg tcttctgggg cttacaagtt ctatgtttct 180
taaaattcgc tgattaaaaa ttttaaaaag ataggatcac acctgaaagc agtgggtccca 240
gctctgtgct gtgggacatc acagggtccta aacagtgata gagaaagggc tggggagtgg 300
cagctggaat ctctgcttcc gtctgaacat ctggacacac atgtcagaga atctttgcat 360
taaatggact gccaatcta tttggtgatt aaatggctgt gcggtgaggg gagaaccctg 420
ggcagtctgg agactgaggt gccattctcg gctagagaca ccacccaaag aagagatggg 480
ctggctacta aagacaagtg tcagttgaa 509

<210> 423
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 038699.1

<220>
<221> unsure
<222> 42, 83, 94, 101, 119, 142, 148, 166, 170, 173, 182
<223> a, t, c, g, or other

<400> 423
gctgtcattg tttgcagaag tctatgtaga aaactcaaga gnatgtacag aaaatctttt 60
agaattaata gagttcacca ggntataaaa ttancatata ngtgcagcat caaagaggna 120
tgtaatgtta aaaaagatac cnttgatnat agaaacccaa atgtcnggtn ctncggaatc 180
antattacgg aatatgcatg taactttaga gaaaaataac tgatatttta gcagacctca 240
ataaagatgt atttatatat aggaagattc aagcttctga agttgtcaat tctcccttta 300
ataatctata aattcagtat aattctaata aaacttccaa caggaaattta tttgcccttt 360
gtaagtggat gctgctgtgg ccacatttga agagaggctt ggccctgagga tttgctctac 420
cagataggaa gttatcttat t 441

<210> 424
<211> 176
<212> DNA

PA-0028 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 038699.2

<400> 424

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tgaatttgat gttaagaaag cctattattg tgaccttacc tgtgtaatgc ctcattctccc 60
atagaggggag aaaaggcatt tgataaaatt cattgccttt ttttaattaa gtaaacacccc 120
tgtattttatg ggggtatatgt gatatttggg acgtgcatta aagttcattg cttttt      176
```

<210> 425

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 173222.1

<220>

<221> unsure

<222> 19

<223> a, t, c, g, or other

<400> 425

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cccagggtgcc caccaaggnc gccagcagg caggctttct aggacagcag ccctctcagg 60
tgtgccacat aagctgtggg caccacacgc ttccttatcg tgcaggcagc aataagtaaa 120
taagatgaac cccactcccc acagtcccgc tgctgctaca aattaaatgt ttctttcttt 180
ttggcatcta attctgttca tatttaaaca cagtgagtag ggttgaaatc agtattatat 240
agacagtttt ggattctttt aaaaaatacg tattatttaa aataataaac cccattatat 300
gctgatacat tgcatattta tgaaaagtaa cttttctaaa gccaaataaa tagaagagtg 360
gcattgacat aagagggctg gcattctcagc cgctcggggc ctccgtccat tacaac      416
```

<210> 426

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 173093.1

<220>

<221> unsure

<222> 65, 250

<223> a, t, c, g, or other

<400> 426

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gaggctcttc tggctttttc ggaggtactc agttacatcc tgcttccaag cttttcggag 60
aaganacagg gtaacagtcc ttataaccaa cttagggtttt cttgtaaatt cttggagttc 120
ttgtgtttct aatgcaggta taactgtaca tgacagagct gagaagatag ttgagggttac 180
taagcaactc taacaaaaga gggtttttgc tgagggcatt ccatttaagt cccaaacttt 240
actttcatan gtgagaactg ggttttgaag tgtcaaaggg aagcagttag aagcaaatg 300
cagcagtcaa taagcccctc cttacttcac gttagtgtgg gccagcaaga tagtagagag 360
gactgat                                           367
```

<210> 427

<211> 819

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 032858.1

PA-0028 US

<220>

<221> unsure

<222> 80, 100, 691

<223> a, t, c, g, or other

<400> 427

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ttctaaattt	ctccactgaa	ttctatctaa	tgacagatga	gaggacactg	aaagtaggag	180
tagccataag	tcaccagtgc	aaaatgtctt	ttgaagtttg	catttattga	ttgctaccat	240
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cagtcccaa	agtctctagg	actgtcctag	aacctgcagc	tcattctgtca	attctgtcaa	420
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ctgagggcag	ctgaacaaga	agtataaaaa	ttttgaatgc	tgataacatt	tgacctagca	780
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<210> 428

<211> 1067

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 239410.10

<220>

<221> unsure

<222> 279, 282, 288, 293, 310, 554, 579

<223> a, t, c, g, or other

<400> 428

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<210> 429

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 033838.1

<220>

<221> unsure

PA-0028 US

<222> 146

<223> a, t, c, g, or other

<400> 429

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ttattaatta caaaaagaac aaagtnccct tacaactggg aaatctggaa gcactgcctt 180
aaccaagtga tcaaacttac taccaccaat gataagcaca aattcacacc atgtgccttc 240
taatgcaata tactaatatg cattcgaatg catattctaa tgcaataatc catgtactat 300
gcttgatcaa ccccggt 317
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<210> 430

<211> 180

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 002171.1

<400> 430

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actgcgcccc gccagaccac tataaaggat aaaattatga gttaatatat gaattaaaaa 60
cagaacaagt ccacactgat ctgaaagtaa gtgtggaggc aggaggaaga gaaacatctt 120
ctttagagaa gaaagccaaa taataaatac ataagggtatt acagaaatag aaaatcacca 180
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<210> 431

<211> 1301

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 197849.1

<220>

<221> unsure

<222> 1253, 1281

<223> a, t, c, g, or other

<400> 431

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ttttcagctg ttccaactcg tttccaaata gaaattagct ggaacacact acagtaatct 120
caaggaaagg aaaattaggg cttaaaagat accaagaagt cagcatggta cccaattgaa 180
accttttgac cttagtggga attcattcta tttgactaa aagccttaac ttgctgtatt 240
cagagtcctt cttactgttg agtttctata gaactttact ttttccacta gtgcacagag 300
agagaaaagg tatcttaata gtcggtttca tggagatgaa ggatgggaga ttaagagggg 360
ggaaatgatt tttactggca gctatattcc ctctctgttc tatttgcttt aacaaagggg 420
taaaacctgg caaagtgtac attattggag gactcaaadc tgtatgtgac atgtcccaac 480
tactgtccgc taactagtta tccaaattgt aaagctacag aagcccgatt gaggggtaag 540
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atatttcaga ccgtgagtag cttgagatct gagcaactgt gttaatgaag taatagcaat 720
ggtccacagt gaaagatgtg ttgggggttg caaaacaagc attccgtcac ctctttaata 780
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<210> 432

<211> 633

<212> DNA

PA-0028 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 028772.1

<400> 432

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ctcaaaaact caagacatct gaactcaaag gatctaagca gtataaatta aagcacatgt 420
tgaatcactg tagctttcgt aggacatctg attataatgc ttttctttgt ttctttgtcc 480
atactgaact tgtctagttt atctttgaga aacatttgct agtatcaaaa atcttctgta 540
aagatttgaa caatcttgaa ttctccttgt cactagccat ctcttcccct aaagtataat 600
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<210> 433

<211> 1733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 199887.1

<400> 433

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cttaaatcct ctactctaga cccaaagttt ggagagctat attatttaat aagttgtttg 180
tgacagcctt gttacctttt tcatattgatt tgaggagaa agactgtgat cctgacagat 240
tccttctcat aaaatggcct aatgtgtatc agtctaggac ttctggggag ggaacctcta 300
ccatgcattc tgtcccagga tgtcaaagtc ataagaatca ggggtcccctg aaataaaaatc 360
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agcatatttt gccactggtt ttctttgtaa tatagggtga aagtgaagaca tgtttgaata 540
cttttgatg taaatatctc ccattctttt tctatctctt cttggtctat atttactaag 600
aattgatatt taaaaaacag ttcactaatg aactctacat attattgaac actcacaggg 660
caatattgat ttgggtgcta ctagactttt acctaacatt agtctttctc aatagttggt 720
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aagtctctat aatgttgata tttgcctgat tacttgttac atcattgaat acatacatta 1680
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<210> 434

<211> 790

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

PA-0028 US

<223> Incyte ID No: 245021.1

<220>

<221> unsure

<222> 572, 598, 619, 635

<223> a, t, c, g, or other

<400> 434

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caggcatggt						790

<210> 435

<211> 1663

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 167998.1

<400> 435

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<210> 436

<211> 446

<212> DNA

<213> Homo sapiens

PA-0028 US

<220>

<221> misc_feature

<223> Incyte ID No: 194251.1

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<210> 437

<211> 3157

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 998143.10

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PA-0028 US

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<212> DNA

<213> Homo sapiens

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<222> 1937
<223> a, t, c, g, or other
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<210> 448

<211> 3690

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2314132CB1

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<212> DNA

<213> Homo sapiens

PA-0028 US

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<223> Incyte ID No: 351158.4

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<222> 1282

<223> a, t, c, g, or other

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PA-0028 US

<223> Incyte ID No: 199489.1

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PA-0028 US
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PA-0028 US
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<223> Incyte ID No: 127987.21

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<223> Incyte ID No: 3464877CB1

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REPORT

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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377

PA-0028 US

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PA-0028 US

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PA-0028 US

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<211> 1243

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 246029.11

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PA-0028 US

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<211> 2191
<212> DNA
<213> Homo sapiens

<220>
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<211> 1358
<212> DNA
<213> Homo sapiens

<220>
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PA-0028 US

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<210> 489

<211> 1417

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 234866.22

<400> 489

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<210> 490

<211> 1283

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 236030.3

<220>

<221> unsure

<222> 90, 105

PA-0028 US

<223> a, t, c, g, or other

<400> 490

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<211> 1626

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 731497CB1

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<210> 492

PA-0028 US
 <211> 3868
 <212> DNA
 <213> Homo sapiens

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 <223> Incyte ID No: 2774968CB1

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<212> DNA

<213> Homo sapiens

<220>

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1685

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<223> a, t, c, g, or other

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<212> DNA

<213> Homo sapiens

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PA-0028 US

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417

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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2020-2021

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<210> 561

<211> 1526

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1040479.5

<400> 561

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PA-0028 US

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<210> 562
<211> 1155
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 1383423.1

<220>
<221> unsure
<222> 344, 394
<223> a, t, c, g, or other

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<210> 563
<211> 1377
<212> DNA
<213> Homo sapiens

<220>
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PA-0028 US

<220>

<221> unsure

<222> 1350

<223> a, t, c, g, or other

<400> 563

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<210> 564

<211> 1466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4911716CB1

<400> 564

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PA-0028 US

<210> 565

<211> 1014

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 232898.20

<400> 565

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<210> 566

<211> 1994

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1985219CB1

<400> 566

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PA-0028 US

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<210> 567

<211> 2743

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 382911.9

<400> 567

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<210> 568

<211> 2225

PA-0028 US
<212> DNA
<213> Homo sapiens

<220>
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<210> 576

<211> 1571

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1382902.13

<220>

<221> unsure

<222> 1568

<223> a, t, c, g, or other

<400> 576

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PA-0028 US

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<220>
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 <223> Incyte ID No: 1382902.19

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<210> 578
 <211> 811
 <212> DNA
 <213> Homo sapiens

<220>

PA-0028 US

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<210> 580

<211> 1172

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 1081573.17

<220>

<221> unsure

<222> 254, 332

<223> a, t, c, g, or other

<400> 580

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<210> 581

<211> 870

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2883526CB1

<400> 581

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PA-0028 US

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<210> 582

<211> 1087

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1291998.1

<400> 582

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<210> 583

<211> 804

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 452327CB1

<400> 583

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<210> 584

<211> 583

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

PA-0028 US

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<211> 2951

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1924205CB1

<400> 587

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PA-0028 US

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PA-0028 US

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<210> 597

<211> 3403

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1258943CB1

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<210> 598
<211> 823
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 245057.10

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<221> unsure
<222> 779
<223> a, t, c, g, or other

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<210> 599
<211> 684
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

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<223> Incyte ID No: 3886578CB1
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 $\langle 220 \rangle$

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<221> misc_feature

<223> Incyte ID No: 474457.44

<400> 602

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<210> 603

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 231486.20

<400> 603

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<210> 604

<211> 4058

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1330200.36

<400> 604

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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<222> 265, 282, 287

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<400> 610

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1003386CB1

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<213> Homo sapiens

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<223> Incyte ID No: 208733.5

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PA-0028 US
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PA-0028 US

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480

PA-0028 US

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<211> 510

<212> DNA

<213> Homo sapiens

<220>

PA-0028 US

<221> misc_feature

<223> Incyte ID No: 475055.1

<220>

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<222> 414

<223> a, t, c, g, or other

<400> 623

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<211> 417

<212> DNA

<213> Homo sapiens

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<222> 355-356

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tcaccaggac tcagaagggg tagaaattat gttaggagtt tgtgcaagtg gtctnntgat 360
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<211> 2914

<212> DNA

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<220>

<221> unsure

<222> 2740, 2749

<223> a, t, c, g, or other

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PA-0028 US

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 <213> Homo sapiens

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<210> 627

<211> 2081

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 245057.5

<400> 627

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<211> 2080

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1261879CB1

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<210> 630
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PA-0028 US

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<210> 631

<211> 3258

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2416108CB1

<220>

<221> unsure

<222> 3180

<223> a, t, c, g, or other

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<211> 2048

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<223> a, t, c, g, or other

PA-0028 US

<400> 633

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PA-0028 US
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PA-0028 US

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PA-0028 US

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<211> 2243

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 330879.1

<400> 657

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<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 899263.1

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<211> 2132

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 233104.1

<220>

<221> unsure

<222> 281, 287, 326, 601-624

<223> a, t, c, g, or other

<400> 659

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<211> 623
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 233720.12

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<211> 3180
<212> DNA
<213> Homo sapiens

<220>
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<211> 1941

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 228899.18

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<210> 672
<211> 765
<212> DNA
<213> Homo sapiens

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<221> misc_feature
<223> Incyte ID No: 480500.14

<220>
<221> unsure
<222> 91
<223> a, t, c, g, or other

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<211> 892
<212> DNA
<213> Homo sapiens

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<223> Incyte ID No: 249096.18

<220>
<221> unsure
<222> 293, 295, 300
<223> a, t, c, g, or other

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<212> DNA
<213> Homo sapiens

<220>

PA-0028 US

<221> misc_feature

<223> Incyte ID No: 981199.1

<400> 674

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<211> 2150

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 227931.4

<220>

<221> unsure

<222> 2147

<223> a, t, c, g, or other

<400> 675

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<210> 676

<211> 4364

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 244366.8

<400> 676

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<210> 677

<211> 811

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 990353.16

<220>

<221> unsure

<222> 806

<223> a, t, c, g, or other

<400> 677

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<210> 678

<211> 1045

PA-0028 US

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1095625.8

<400> 678

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<210> 679

<211> 1560

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 977751.16

<400> 679

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<210> 680

<211> 1413

PA-0028 US

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 227742.10

<400> 680

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<210> 681

<211> 1327

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 401098.1

<220>

<221> unsure

<222> 667

<223> a, t, c, g, or other

<400> 681

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PA-0028 US

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<210> 682

<211> 1265

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 230233.3

<400> 682

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<210> 683

<211> 347

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 225344.1

<220>

<221> unsure

<222> 282, 335, 341

<223> a, t, c, g, or other

<400> 683

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agtgtcttca	aggaatatgt	tacctgacca	gcgctgcagg	angcttgact	gtaagtcac	300
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<210> 684

<211> 1386

<212> DNA

<213> Homo sapiens

PA-0028 US

<220>

<221> misc_feature

<223> Incyte ID No: 1327483.15

<220>

<221> unsure

<222> 79

<223> a, t, c, g, or other

<400> 684

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cgccacaga ggaggaggag gaggaggagg aggaagaaga ggctgaagaa gaggaggagg 300
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<210> 685

<211> 3048

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 403121.12

<400> 685

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PA-0028 US

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<210> 686
 <211> 801
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <223> Incyte ID No: 403121.6

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2025

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528

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<221> misc_feature

<223> Incyte ID No: 480287.8

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<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 087978.10

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<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 231486.18

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<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 086533.6

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2634391CB1

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<213> Homo sapiens

<220>
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<212> DNA
<213> Homo sapiens

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<221> unsure
<222> 1437
<223> a, t, c, g, or other

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PA-0028 US

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 267153.2

<400> 697

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<211> 1542

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 267153.6

<400> 698

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<211> 2672

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 331451.18

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PA-0028 US

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<211> 1385

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 903616.5

<220>

<221> unsure

<222> 69

<223> a, t, c, g, or other

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PA-0028 US

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<210> 701

<211> 1987

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 990353.15

<400> 701

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<210> 702

<211> 1345

PA-0028 US

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 087978.5

<220>

<221> unsure

<222> 406, 477, 1342

<223> a, t, c, g, or other

<400> 702

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<211> 4576

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 253534.17

<220>

<221> unsure

<222> 447-553, 849-884, 2279-2313, 2590-2886

<223> a, t, c, g, or other

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PA-0028 US

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PA-0028 US
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<212> DNA

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<222> 327, 451

<223> a, t, c, g, or other

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976

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<211> 2144

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 978629.3

<400> 721

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<210> 722
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548

PA-0028 US

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<211> 4394

<212> DNA

<213> Homo sapiens

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<220>

<221> unsure

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<223> a, t, c, g, or other

<400> 723

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WILLIAMS

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<213> Homo sapiens

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<211> 503
<212> DNA
<213> Homo sapiens
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PA-0028 US

<220>

<221> misc_feature

<223> Incyte ID No: 1099640.1

<400> 725

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<210> 726

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<223> Incyte ID No: 414363.1

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<221> unsure

<222> 475

<223> a, t, c, g, or other

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<211> 2064

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1382987.2

<400> 727

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PA-0028 US

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 <221> unsure

PA-0028 US

<222> 477

<223> a, t, c, g, or other

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<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 347049.8

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<210> 731

<211> 924

<212> DNA

<213> Homo sapiens

<220>

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<400> 731

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<210> 732

PA-0028 US

<211> 399

<212> DNA

<213> Homo sapiens

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<220>

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PA-0028 US
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PA-0028 US

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557

PA-0028 US

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PA-0028 US

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PA-0028 US

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ttagaaacgt aaagttgcgc agtcaacata aataaataca gaatgccatg tttcccactt 720
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<210> 746

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1397728.1

<400> 746

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agcctcagat tccttacctg tgaataatggg agtgcccagc ctgggttggt ataaagattc 360
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<210> 747

<211> 113

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 096421.1

<400> 747

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ctccaccagc gccaccccca gctgaggcct tccttaaagc cagggtccact gccaggtgat 60
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<210> 748

<211> 263

<212> DNA

<213> Homo sapiens

PA-0028 US

<220>

<221> misc_feature

<223> Incyte ID No: 171619.1

<220>

<221> unsure

<222> 225

<223> a, t, c, g, or other

<400> 748

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aaatccttaa tccttgaagt ggtagcagat gccaaaactt caaaactgta atcttaaatt 180
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<210> 749

<211> 570

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 987395.7

<400> 749

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attggtacac atttctgtgt gtgtgtgtgt                                     570
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<210> 750

<211> 3836

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 198795.2

<220>

<221> unsure

<222> 106

<223> a, t, c, g, or other

<400> 750

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gagcccagga ccctcctctc tcagcttgcc agtgccctgc cctccacatg gcggggaaca 180
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tgccggttgc atgagccgct gtgactcacg cgtgcactgg gccttgcttg gtgctcccc 480
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```

PA-0028 US

```

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<210> 751

<211> 1315

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 403987.1

<400> 751

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tgcttgacga gggcctttgt cagaagcaat tggggatctg gcgtcacctg cacaatggaa 240
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PA-0028 US

```

atttacaggc agaatgagtt catgtgaaat ttcaggatct gccatgactc agattcactt 360
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<210> 752

<211> 245

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 034851.1

<400> 752

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tgctaagtgc gtgagacctg ggcactgcag ccgactgcct gggttgaatg gttgaatctc 180
ggctccagct cttgaccagc tatgtggcct tatggggggag tccgtcacct ttctgggcat 240
tagtt 245

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<210> 753

<211> 66

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 189905.1

<220>

<221> unsure

<222> 48

<223> a, t, c, g, or other

<400> 753

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tgacttcaag taataatagc actttctgtg ttccttcccta gcactttnga ttaaaatgtg 60
tcgttt 66

```

<210> 754

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 002406.1

<400> 754

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gttttgatga aattcaactt atcagttttt cagttatagt atgtattttt atgacccatc 180
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2017-01-01

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<210> 758
<211> 687
<212> DNA
<213> Homo sapiens
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<400> 758						
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gaaaagaaaa	ttttctcaag	tctgttcact	actattcctc	atcacatttt	ttattattta	360
atagctttat	cttgaatat	gtgtgacttg	ggatttagat	tgccagttgg	aagacctcat	420
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565

PA-0028 US

<211> 671

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 252683.7

<220>

<221> unsure

<222> 36

<223> a, t, c, g, or other

<400> 759

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ccgtcctgcg gcacgtggcc aatccccgcg gcgctgtcac gccggagtag accgtagcca 180
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<210> 760

<211> 1053

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 252683.4

<400> 760

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ggcgctctcg ctcccttacc tggggctacc cttgcccggg cctactgccc gcggttaacc 180
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<210> 761

<211> 2540

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1384695.63

<220>

UNITED STATES OF AMERICA

<223> a, t, c, g, or other

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THE UNIVERSITY OF CHICAGO

568

2018-2019

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PA-0028 US

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PA-0028 US

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578

PA-0028 US

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PA-0028 US

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PA-0028 US

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<211> 2033

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 2518547CB1

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 230726.24

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<223> a, t, c, g, or other

<400> 778

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<211> 2686

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 230726.23

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 2645

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens
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<211> 1325

<212> DNA

<213> Homo sapiens

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<222> 1270

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<212> DNA

<213> Homo sapiens

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<210> 804
 <211> 691
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> Incyte ID No: 977449.1

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ccttcccact gtccaaatct cgctccttct cagtgttccg ggggcccttg acagagccct 180
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ctgcagcagc caacagcctc agattcccta caggggctgg aagatcaagt tgaatgtatc 540
catccatgcc catctgcagg cagcagaagc aggcagggtg tcttgcacc ctctcctcct 600
gctttcccag agtccagcat ctgtgccagt gccacctata gacctggtaa cttttttttc 660
ccggttctag tgttgtgttt gtccccacc c

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<210> 805
 <211> 582
 <212> DNA
 <213> Homo sapiens

PA-0028 US

<220>

<221> misc_feature

<223> Incyte ID No: 197828.11

<400> 805

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gagacgggat tttggtccgg ggtggagagc gaatgcattg aaaagggcca aggcccagga 180
taaggtagac atttaaaggg gtacggatgc ccaaggtaga gcagacactt gaggagacca 240
gctcagcaaa cggaagacac ttaaagtggg aggttctcaa gagagaagaa gtttttaaga 300
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tcgaaggaag cacgcgcacg cctgctctcc ccattgtct tttctggctt ctccaggttc 480
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<210> 806

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 193797.1

<400> 806

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gatagaaaga agtaaaccag taactatgca tatgagatga atactggata atgataagag 60
ctttacagaa aattaaaatt ggtcatttta aaaatattga tgcctgattt tatgttactc 120
tatatcaggc gcagttttta gtgctcattt aatcttttga actgctacat gtactatatt 180
aaggcaatct ccattttaca gatgaggaag taggggcaca gagaaggatg ccacctttct 240
aaaatcacat agctattaag tagaaaaggc agaattcaat ctcaagcaat tttcttccaa 300
ggccaatgtt tattattaaa gtaacatagg cttttc 336

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<210> 807

<211> 1834

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 032735.1

<220>

<221> unsure

<222> 1070-1096

<223> a, t, c, g, or other

<400> 807

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tccttggaat ttttagctaa atatttcccg attgcgtgtg cactttgatt tacctataaa 480
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PA-0028 US

```

nnnnnnnnnnn nnnnnntcat tttcttcctc tttgtaaata taatgcacct catttggcag 1140
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agtctatata gaagaaaaac ttgtattggt ttccataaac agaattatgt aaataatggc 1800
aaatacaatg aaaataaaat aatgcattaa cttc 1834

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<210> 808
 <211> 407
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 984490.1

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ttatttgaag aaatcatagg tacagtccaa gcacctgtg aacctcccc caccagagc 180
actcttcctc ctgcctttcc ttgagctact aataatcctg gtgactatgt ccccaaatg 240
catatcttta tattttacca cagatataat tacatatgga cgatatataa tcttgttttg 300
catgttttaa aactatgtaa gtggatcttg ctgtatgtat ccctttgtta cttccaaaac 360
cttaaaaaac ctaaataacg attagagatt tatagaaaaa aaaaaaa 407

```

<210> 809
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 984490.2

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tgattaaaag gggatgtcct gtaaagtgtt tcttttggtg aataccatag cacacattta 180
agggataaag aaggcccgtc ccagaggcaa tgttgcatag agttcctgtc ccactgggcc 240
ctgctgacta ggatggggag tccaggggta acagctaccc gataccacgg cttcgaggag 300
ttaaggattt atgggcagat tgatacctgc ctgggtcggc atggatgcaa tgagtatttt 360
tagacgaggg aattattttca agggccatga tagggaggcc ttgagcttaa ggtatccg 418

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<210> 810
 <211> 283
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 028791.1

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<400> 810
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catactgggt caaggattgt cagagacaag tttttaacca ttgggatatg agaggatatc 180
tactaaagat actttacctt catgaataac aaataaagct tcttggggaa atagcctttt 240
cctccttttc tgtcttcttg ctgtcctgag catagatgtg atg 283

```

PA-0028 US

<210> 811

<211> 2561

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 018109.1

<400> 811

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agctatatac tggctttgaa tatattggca gccaatataag ataaattaac cagttgagat 180
tcatacagtc caagtttacc agatgcttag gagacgcaaa gctttgccta gcattctgtc 240
aagaaagggtt ttgctgtctg tgtgactaat cttacatgaa tgattttccc agaattgagt 300
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<210> 812

<211> 643

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 231452.1

<400> 812

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PA-0028 US

tccctttcat	tttaagagac	tgtgagaagt	aacaaatcag	gtaagtaaaa	ttattaaaga	180
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ttacaagact	ttgttacttc	atggcattaa	tagtttcagg	aacattataa	tacatagitt	300
aattttcttt	gggtgtttgtc	atgtttgggg	gggtggaggta	cttttttctt	atagatttta	360
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acagtaaaga	agcttatttt	acttgtttcc	attgtagtgt	ggtgaaataa	aattttttatt	600
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<210> 813

<211> 2844

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 334501.2

<220>

<221> unsure

<222> 1090

<223> a, t, c, g, or other

<400> 813

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PA-0028 US

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<210> 814

<211> 8674

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 474770.10

<220>

<221> unsure

<222> 2512-2737, 2949, 3618-3637, 5343, 5897, 6014-6343, 8014

<223> a, t, c, g, or other

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<211> 1708

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1973832CB1

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2512889CB1

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<212> DNA

<213> Homo sapiens

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<220>

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<223> Incyte ID No: 337199.1

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<223> a, t, c, g, or other

<400> 817

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<211> 739

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 212155.1

<400> 818

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<211> 1440

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2796468CB1

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<210> 826
 <211> 731
 <212> DNA

PA-0028 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 370489.46

<220>

<221> unsure

<222> 222

<223> a, t, c, g, or other

<400> 826

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atgaacaag agctagaaac tcaggatggt catcttgagg ggaccaagg gtggggccaca 660
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<210> 827

<211> 998

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 782996CB1

<400> 827

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<210> 828

<211> 588

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 344291.2

<220>

<221> unsure

<222> 294, 310, 313, 324-325, 348, 364

PA-0028 US

<223> a, t, c, g, or other

<400> 828

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gatgaggacc	agaggaattc	gcgaatttcc	gaatcaccgc	aggaaaaacc	agctggcctg	180
aatcaaagca	attctgggta	aaagacttcc	cagatgatct	ctcaacgcct	tggcaacgct	240
tggcgactgg	gagctagaac	catgagttgt	taatgtgtgc	acggaagcca	caantgtgca	300
ggacgcaagn	tgngttattg	gaannggacg	acaccaagga	ggcgttgncg	cggatgtggt	360
ggangatgcc	aagtcgtctt	ttaaaaaagg	aagtgaagaa	tgattaagag	ggtcacgccc	420
tctaccactc	caacctctct	aatcagttct	tttctgctcc	gtctgctgta	catgcacctg	480
ctcaggtgag	acctcaagga	aaaataatcc	tgtgggtcca	cctaactctg	taagtgttgt	540
atttggaaaa	tcaaacccca	aattaaacgc	aggacgtgga	aactgaaa		588

<210> 829

<211> 1125

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 1350572CB1

<400> 829

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<210> 830

<211> 2136

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2170967CB1

<400> 830

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gacaagatgt	tcttgctgcc	tcttccggct	gcggggcgag	tagtcgtccg	acgtctggcc	240
gtgagacgtt	tcgggagccg	gagtcctctc	accgcagaca	tgacgaagg	ccttggttta	300
ggaatctatt	ccaaagaaaa	agaagatgat	gtgccacagt	tcacaagtgc	aggagagaa	360
tttgataaat	tgtagctgg	aaagctgaga	gagactttga	acatatctgg	accacctctg	420
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PA-0028 US

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<210> 831
 <211> 824
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 088564CB1

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<210> 832
 <211> 2046
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 480668.19

<220>
 <221> unsure
 <222> 59, 84, 86, 1487, 1495, 1503
 <223> a, t, c, g, or other

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PA-0028 US

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atttaa 2046

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<210> 833
 <211> 710
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <223> Incyte ID No: 902098.4

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gttgggagag ggagctccct ggtcaagtct gctgtgactt ctctctccct tttcccccag 480
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<210> 834
 <211> 725
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <223> Incyte ID No: 1184364.3

THEORY OF THE EARTH

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<210> 835
<211> 523
<212> DNA
<213> Homo sapiens
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<212> DNA
<213> Homo sapiens
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<223> Incyte ID No: 010001CB1
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<210>	837
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<212>	DNA

PA-0028 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 222838.1

<400> 837

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ttcagccccc aggggcttgc tcagccagtt gggattaata cttcaactac ctgctgctac 180
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tttgataacc ctgtcctttc tcagagtggg tctgagatta ttttaactca attctaagga 480
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aatattttta ttttaactctc catggatttt ggtgggtttt gaacataaag ccttggatgt 600
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gtattgtata agtccttgca agaatcagtg caaagatttg ctttaattgt taagatatga 720
tgtccctatg gaagcatatt gttattatat aattacatat ttgcatatgt atgactccca 780
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<210> 838

<211> 832

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 273061CB1

<400> 838

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gcagaggctg aagagctatg tgatcaccac cagcagggtg cccagaagg ctgtcatctt 240
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gaaatcaagc tggagtacgt gaaatgactt ttccattctc ctctggcctc ctcttctatg 420
ctttggaata cttctaccat aattttcaaa taggatgcat tcggttttgt gattcaaaaat 480
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 <223> a, t, c, g, or other

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630

PA-0028 US

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PA-0028 US

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